To: Arguto, William[Arguto.William@epa.gov]
Cc: binetti, victoria[binetti.victoria@epa.gov]
From: Caporale, Cynthia
Sent: Tue 4/1/2014 5:47:21 PM
Subject: TIC Data Update

Bill,

We were able to obtain data from WV American and Cinn Water. The review is in-progress. For the Cinn Water data we will be asking for more information since the chromatograms did show extra peaks but did not have the associated TIC information. I should have more information before the call on Thursday.

Cindy

-----Original Message-----
From: Warner, Sue
Sent: Tuesday, April 01, 2014 9:19 AM
To: Gundersen, Jennifer; Caporale, Cynthia
Subject: RE: FW: Request for GC/MS Data

I have reviewed the data and only 4-methylcyclohexanemethanol and 4-(methoxymethyl)cyclohexanemethanol are reported in the samples (as targets). I don't see any TICs reported that look like breakdown products of MCHM or PPH.

There is a peak at 10.27/10.28/10.29 in all the samples that is marked as "check later". We should contact them to see what this peak is and ask them to provide spectra.

In the second data package, on the TIC summary report, there is a compound reported as octodrine. There is not much information on the Internet, but this is a drug that can be used as a stimulant, decongestant or an anti-tumor drug. Here are three links with more information. The compound is an amine and does not appear to be related to the breakdown of either MCHM or PPH.

http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=10982
http://en.wikipedia.org/wiki/Octodrine
http://datasheets.scbt.com/sc-229925.pdf

-----Original Message-----
From: Gundersen, Jennifer
Sent: Monday, March 31, 2014 10:55 AM
To: Caporale, Cynthia; Warner, Sue
Subject: FW: FW: Request for GC/MS Data

Oops, there is a TIC list on the last page of each report. Very short lists.
I was expecting to see spectra

-----Original Message-----
From: Ex. 4 - CBI
Sent: Friday, March 28, 2014 4:59 PM
To: Gundersen, Jennifer; Caporale, Cynthia
Cc: Ex. 6 - Personal Privacy @amwater.com; Ex. 6 - Personal Privacy @amwater.com
Subject: Re: FW: Request for GC/MS Data

Instrument type- OI Analytical Eclipse 4660 Purge and Trap;ThermoScientific Trace 1310 GC; ISQ Single Quadrupole MS Method used - EPA Method 524.2 Preservative/quench agent - none (See attached file: Dist4.pdf)(See attached file: PlantEff.pdf)(See attached file: Dist1.pdf)(See attached file: Dist2.pdf)(See attached file:
Dist3.pdf)

Information that you have requested is attached. Please let me know if you need any more information. Thank you for your patience..

Ex. 4 - CBI
Supervisor, Water Quality and Environmental Compliance Western Division West Virginia American Water
4002 Ohio River Road
Huntington, WV 25702
Ex. 4 - CBI

"Life can only be understood backward, but it can only be lived forward"
-Soren Kierkegaard

From: "Gundersen, Jennifer" <Gundersen.Jennifer@epa.gov>
To: **Ex. 4 - CBI**
Date: 03/26/2014 10:35 AM
Subject: FW: Request for GC/MS Data

Hi **Ex. 4 - CBI**
Cindy Caporale asked me to follow-up on this.

Thanks,
Jennie
~~~~~~~~~~~~~~~~~~~~~~~~~
Jennifer L. Gundersen, Ph.D.
Chemist
US EPA
Region 3, OASQA
701 Mapes Rd
Fort Meade, MD 20755-5350
cube: 410-305-2835
fax: 410-305-3096
gundersen.jennifer@epa.gov

-----Original Message-----
From: **Ex. 4 - CBI**
Sent: Saturday, March 15, 2014 8:40 PM
To: Caporale, Cynthia
Cc: **Ex. 4 - CBI** @amwater.com
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Subject: Re: Request for GC/MS Data

I will begin working on your data on Monday. Sorry for the delay, permission had to be received before compliance.
Thank you for your patience.

Ex. 4 - CBI

Supervisor, Water Quality and Environmental Compliance Western Division West Virginia American Water
4002 Ohio River Road
Huntington, WV 25702

Ex. 4 - CBI

"Life can only be understood backward, but it can only be lived forward"
-Soren Kierkegaard

From: "Caporale, Cynthia" <Caporale.Cynthia@epa.gov>
To: **Ex. 4 - CBI**
Cc:
Date: 02/14/2014 02:39 PM
Subject: Request for GC/MS Data

Ex. 4 - CBI

I am the USEPA R3 Lab Manager and I am working with our Drinking Water Program managers to review existing GC/MS data that may have been acquired by laboratories during the initial days of the Charleston Drinking Water Incident.

One area EPA is assessing is the potential for any disinfection byproducts associated with MCHM or PPH and having raw data would be advantageous to confirm our theoretical assessments. Did your laboratory run the drinking water samples using GC/MS in full-scan? If so, we would be interested in the raw data from some of the sample analysis. Below is the specific information we are seeking.

VOC and SVOC GC/MS raw data files, including a TIC report processed against the NIST or similar library, which includes the chromatogram and spectra for the 20 largest TICs, for the following samples that were been analyzed using a full scan rather than targeted MCHM scan:

* Approximately 4 of the highest quantitative results for MCHM at locations in the distribution system
* Plant finished water sample showing high quantitative result for MCHM

Please clarify the instrument type, method used (Drinking water versus SW-846 type protocol), and preservative/quench agent.

Please feel free to contact me for more information or if you have any questions.

Thanks,
Cindy

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
Fort Meade, MD
(410) 305-2732
Fax: (410) 305-3095

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